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A Check List of Vascular Plants, Bonanza King Mine and Gilroy Canyon, Providence Mountains, Mojave Desert

by

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The area included in this check list is highlighted in yellow on the following map and ranges in elevation from c. 4100 ft at Bonanza King Mine to c. 6000 ft in the upper reaches of the Gilroy Canyon area. Data presented are based on collections and observations that were made in October, 1977 and May, 1978 for the Bonanza King Mine area and in May, 1978 for the Gilroy Canyon area. All collections are deposited at Rancho Santa Ana Botanic Garden, and some collections will be deposited with the California Desert Plan Program of the Bureau of Land Management. Frequency data were determined by qualitative observations and are based on the following scale.

1 = Rare
2 = Infrequent
3 = Frequent
4 = Common
5 = Very Common

In cases where elevations were uncertain, neither elevation nor frequency data are listed.

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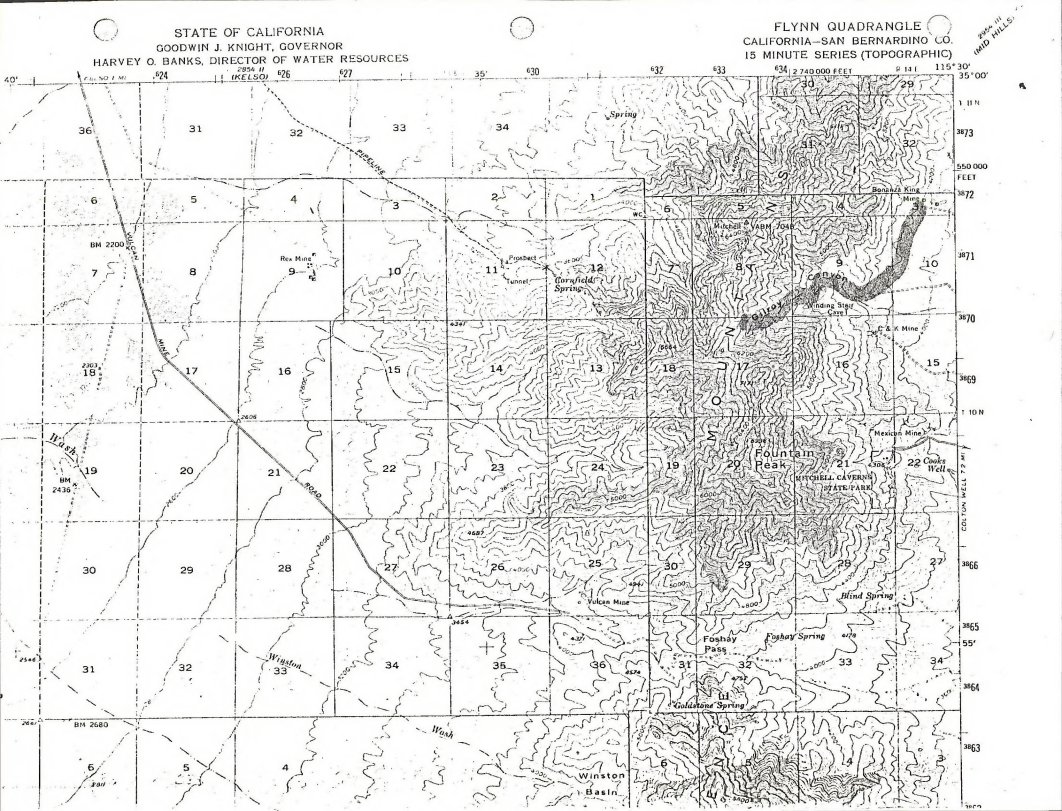
FLYNN QUADRANGLE
CALIFORNIA—SAN BERNARDINO CO.
15 MINUTE SERIES (TOPOGRAPHIC)



CHECK LIST OF VASCULAR PLANTS,

PROVIDENCE MOUNTAINS, BONANZA KING MINE AND GILROY CANYON

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TAXON (* = INTHODUCED)	ELEVATION/FREQUENCY (1 = RARE! 5 = VERY COMMON) 140-144-148-152-156-1 (X 100 1-441-481-521-561-601 FEET)				
LYCOPSIDA					
LYCOPODIAE					
SELAGINELLACEAE					
SELAGINELLA LEUCOBRYOIDES MAXON			2		
PTEROPSIDA					
FILICAE					
PTERIDACEAE					
CHEILANTHES FEEI T. MOORE, LIP FERN,		2			
NOTHOLAENA COCHISENSIS GOODD,	1				
NOTHOLAENA JONESII MAXON, CLOAK FERN,			2		
NOTHOLAENA PARRYI D. C. EAT,			2	2	2
CONIFERAE					
CUPRESSACEAE, CYPRESS FAMILY					
JUNIPERUS OSTEOSPERMA (TORR.) LITTLE, UTAH JUNIPER			2	3	5
PINACEAE, PINE FAMILY					
PINUS MONOPHYLLA TORR. & FREM, ONE-LEAVED PINYON,		2	3	5	5
GNETAE					
EPHEDRACEAE, EPHEDRA FAMILY					
EPHEDRA CALIFORNICA WATS,	3				
EPHEDRA NEVADENSIS WATS,	4	3			

	:40-:44-:48-:52-:56-:1 (X 100 :-44:-48:-52:-56:-60: FEET)					
EPHEDRA VIRIDIS COV.	2	3	3	3		
ANGIOSPERMAE						
DICOTYLEDONES						
ANACARDIACEAE, SUMAC FAMILY						
RHUS TRILOBATA NUTT. EX T. & G. VAR. ANISOPHYLLA (GREENE) JEPS.				3	4	
APIACEAE. CARROT FAMILY						
LOMATIUM PARRYI (WATS.) MACBR.					2	
ASTERACEAE, SUNFLOWER FAMILY						
ACAMPTOPAPPUS SPHAEROCEPHALUS (HARV. & GRAY) GRAY	2					
AMBROSIA ERIOCENTRA (GRAY) PAYNE.		4				
ARTEMISIA LUDOVICIANA NUTT. SSP. ALBULA (WOOT.) KECK. WESTERN MUGWORT.	3	4	4	3	3	
ARTEMISIA NOVA A. NELS. DWARF SAGEBRUSH.				3	3	
BAILEYA MULTIRADIATA HARV. & GRAY. DESERT-MARIGOLD.	4					
BAILEYA PLENIRADIATA HARV. & GRAY.	3					
BRICKELLIA CALIFORNICA (T. & G.) GRAY.			3	3		
CHAENACTIS STEVIOIDES H. & A. VAR. BRACHYPAPPA (GRAY) HALL.		3				
CHRYSOTHAMNUS DEPRESSUS NUTT. RABBIT BUSH.					2	
CIRSIUM NEOMEXICANUM GRAY. THISTLE.	3	3				
ENCELIA VIRGINENSIS A. NELS. SSP. VIRGINENSIS.	4					
GUTIERREZIA MICROCEPHALA (DC.) GRAY. MATCHWEED. BROOM WEED.	3	4	4	3		
GUTIERREZIA SAROTHRAE (PURSH) BRITT.	3					
HAPLOPAPPUS CUNEATUS GRAY.					2	
HAPLOPAPPUS LARICIFOLIUS GRAY. TURPENTINE BUSH.	3	4	4	3	3	
HAPLOPAPPUS LINEARIFOLIUS DC. SSP. INTERIOR HALL.		4	4			
POROPHYLLUM GRACILE BENTH.	2	2				
PSILOSTROPHE COOPERI (GRAY) GREENE. PAPERFLOWER.	3	3				
RAFINESQUIA NEOMEXICANA GRAY. DESERT CHICORY.		2				

		:40-:44-:48-:52-:56-: (X 100 :-44:-48:-52:-56:-60: FEET)			
SENECIO MULTILOBATUS T. & G.			2		2
STEPHANOMERIA EXIGUA NUTT. VAR. PENTACHAETA (D. C. EAT.) HALL.	2				
STEPHANOMERIA PAUCIFLORA (TORR.) NUTT. WIRE LETTUCE.	3	3	2	2	
TETRADYMIA STENOLEPIS GREENE.	2				
VIGUIERA DELTOIDEA GRAY VAR. PARISHII (GREENE) VASEY & ROSE.	3	4	3	3	3
XYLORHIZA TORTIFOLIA GRAY.	2				
BIGNONIACEAE. BIGNONIA FAMILY					
CHILOPSIS LINEARIS (CAV.) SWEET. DESERT WILLOW.		2			
BORAGINACEAE. BORAGE FAMILY					
AMSINCKIA TESSELLATA GRAY.	3				
CRYPTANTHA ANGUSTIFOLIA (TORR.) GREENE.	3				
CRYPTANTHA BARBIGERA (GRAY) GREENE.	3	3	3	3	4
CRYPTANTHA CIRCUMSCISSA (H. & A.) JTN.	3				
CRYPTANTHA PTEROCARYA (TORR.) GREENE.	4	3	3		
BRASSICACEAE. MUSTARD FAMILY					
ARABIS PULCHRA JONES VAR. GRACILIS JONES. ROCK-CRESS.		3	3		2
CAULANTHUS COOPERI (WATS.) PAYS.	3				
DESCURAINIA PINNATA (WALT) BRIT. SSP. GLABRA (WOOT. & STANDL.) DETL.		3			
LEPIDIUM LASIOCARPUM NUTT. VAR. LASIOCARPUM.	4	3			3
*SISYMBRIUM IRIO L.	3				
STANLEYA PINNATA (PURSH) BRITTON SSP. PINNATA. PRINCE'S PLUME.			2		
STREPTANTHELLA LONGIROSTRIS (WATS.) RYDB.		3			
THELYPODIUM LASIOPHYLLUM (H. & A.) GREENE VAR. UTAHENSE (RYDB.) JEPS.	3				
CACTACEAE. CACTUS FAMILY					
ECHINOCEREUS ENGELMANII (PARRY) LEM. VAR. CHRYSOCENTRUS (ENGELM. & BIGEL.) ENGELM. EX RUNPLER. HEDGEHOG CACTUS.	3	3	3	3	
ECHINOCEREUS TRIGLOCHIDIATUS ENGELM. VAR. MOHAVENSIS (ENGELM. & BIGEL.) BENSON.		2	3	3	

	140-144-148-152-156-160 (X 100 FEET)				
	1-441-481-521-561-601				
FEROCACTUS ACANTHOIDES (LEM.) BRITTON & ROSE VAR, LECONTEI (ENGELM.) LINDSAY, BARREL CACTUS,	3	4	3		
OPUNTIA ACANTHOCARPA ENGELM. & BIGEL, VAR, COLORADENSIS L. BENSON,	4	4			
OPUNTIA BASILARIS ENGEL. & BIGEL, VAR, BASILARIS, BEAVER-TAIL CACTUS,	3				
OPUNTIA CHLOROTICA ENGELM. & BIGEL, PANCAKE PEAR,		2			
OPUNTIA ERINACEA ENGELM. & BIGEL, VAR, URSINA (A. WEBER) PARISH,				3	
OPUNTIA PHAECANTHA ENGELM, VAR, MAJOR ENGELM,	3	5	5	4	4
CAMPANULACEAE, BELLFLOWER FAMILY					
NEMACLADUS GLANDULIFERUS JEPS. VAR, ORIENTALES MCVAUGH,	2				
CARYOPHYLLACEAE, PINK FAMILY					
ARENARIA MACRADENIA WATS, VAR, PARISHIORUM ROB, MOJAVE SANDWORT,	2				
CHENOPODIACEAE, GOOSEFOOT FAMILY					
CERATOIDES LANATUM (PURSH) HOWELL, WINTER FAT,	3				
CONVOLVULACEAE, MORNING-GLORY FAMILY					
CUSCUTA CALIFORNICA H. & A, ??	2				
CRASSULACEAE, STONECROP FAMILY					
DUDLEYA SAXOSA (JONES) BRITT. & ROSE SSP, ALOIDES (ROSE) MORAN,	3	3	3	2	2
CROSSOSOMATACEAE					
FORSELLESIA NEVADENSIS (GRAY) GREENE,				2	
EUPHORBIACEAE, SPURGE FAMILY					
EUPHORBIA ALBOMARGINATA T. & G, RATTLESNAKE WEED,	4				
EUPHORBIA INCISA ENGELM,	3	3	3	3	
EUPHORBIA REVOLUTA ENGELM,	3				
TRAGIA RAMOSA TORR,	2		2		
FABACEAE, PEA FAMILY					

	140-144-148-152-156+ (X 100 FEET)				
	141-481-521-561-601				
ACACIA GREGGII GRAY, CATCLAW,	3	4	4	3	3
ASTRAGALUS LENTIGINOSUS DOUGL. VAR. FREMONTII (GRAY) WATS,					2
ASTRAGALUS NUTANS JONES,				2	2
ASTRAGALUS NUTTALLIANUS DC, VAR. IMPERFECTUS (RYDB.) BARNEBY,	3				
LOTUS HUMISTRATUS GREENE,	3				
LOTUS RIGIDUS (BENTH.) GREENE,	3	4	3		
LOTUS TOMENTELLUS GREENE,	3				
PROSOPIS GLANDULOSA TORR, VAR, TORREYANA (L. BENSON) M. C. JTN,	2	3			
GERANIACEAE, GERANIUM FAMILY					
*ERODIUM CICUTARIUM (L.) L'HER, STORKSBILL,	3	3	2		
HYDROPHYLLACEAE, WATERLEAF FAMILY					
EMMANANTHE PENDULIFERA BENTH, WHISPERING BELLS,	3	3			
PHACELIA CAMPANULARIA GRAY SSP, VASIFORMIS GILLETT,	3	3	3	3	
PHACELIA CRENULATA TORR,	4				
PHACELIA PERITYLOIDES COV. VAR. JAEGERI MUNZ,					1
PHACELIA ROTUNDIFOLIA TORR, EX WATS,	2	2	2	2	
KRAMERIACEAE, KRAMERIA FAMILY					
KRAMARIA GRAYII ROSE & PAINTER	2				
KRAMERIA PARVIFOLIA BENTH, VAR, IMPARATA MACBR,	3	2			
LAMIACEAE, MINT FAMILY					
HEDEOMA NANUM (TORR.) BRIG, SSP, CALIFORNICUM W. S. STEWART,			3	3	3
MONARDELLA LINOIDES GRAY SSP, LINOIDES, HORSEMINT,			3	3	
SALAZARIA MEXICANA TORR, BLADDER SAGE,	4	4			
SALVIA COLUMBARIAE BENTH, VAR, COLUMBARIAE,	3	3	3		
SALVIA DORRII (KELL.) ABRAMS SSP, DORRII, BLUE SAGE,	4	4			
SALVIA MOHAVENSIS GREENE,	3	4	3		3

	1:40-1:44-1:48-1:52-1:56-1 (X 100 1-441-481-521-561-601 FEET)				
MALVACEAE, MALLOW FAMILY					
SPHAERALCEA AMBIGUA GRAY SSP, MONTICOLA KEARN, GLOBE-MALLOW,	4	3	3	3	2
NYCTAGINACEAE, FOUR-O'CLOCK FAMILY					
BOERHAAVIA WRIGHTII GRAY	3				
MIRABILIS BIGELOVII GRAY VAR, BIGELOVII, DESERT FOUR-O'CLOCK, WISHBONE BUSH,	3	4	3		
MIRABILIS FROEBELII (BEHR) GREENE VAR, FROEBELII,		2			
OLEACEAE, OLIVE FAMILY					
MENODORA SCOPARIA ENGELM, EX GRAY					
ONAGRACEAE, EVENING-PRIMROSE FAMILY					
CAMISSONIA CHAMAENERIOIDES (GRAY) RAVEN, WILLOW-HERB PRIMROSE,		2			
GAURA COCCINEA (NUTT,) PURSH,		2			
OENOTHERA CAESPITOSA NUTT, VAR, MARGINATA (NUTT.) MUNZ, EVENING PRIMROSE,	3	3	3	3	
OROBANCHACEAE, BROOM-RAPE FAMILY					
OROBANCHE FASCICULATA NUTT, VAR, LUTEA (PARRY) ACHEY,			1		
PLANTAGINACEAE, PLANTAIN FAMILY					
PLANTAGO FASTIGIATA MORRIS	3				
POLEMONIACEAE, PHLOX FAMILY					
ERIASTRUM SPECIES	3	3			
GILIA SPECIES	3	3			
LANGLOISIA PUNCTATA (COV,) GOODD,	3				
LEPTODACTYLON PUNGENS (TORR,) RYDB, SSP, HALLII (PARISH) MASON,		3		3	
LINANTHUS AUREUS (NUTT,) GREENE VAR, DECORUS (GRAY) JEPS,	3				
POLYGONACEAE, BUCKWHEAT FAMILY					

	140-144-148-152-156-1 (X 100 1-441-481-521-561-601 FEET)				
CHORIZANTHE BREVICORNU TORR, SSP BREVICORNU,	3				
ERIOGONUM DEFLEXUM TORR, SSP, DEFLEXUM, SKELETON WEED,		3			
ERIOGONUM FASCICULATUM BENTH, SSP, POLIFOLIUM (BENTH,) STOKES, CALIFORNIA BUCKWHEAT,		3			
ERIOGONUM HEERMANNII DUR, & HILG, SSP, FLOCCOSUM (MUNZ) MUNZ,		4	4		
ERIOGONUM INFLATUM TORR, & FREM, VAR, INFLATUM, DESERT TRUMPET,	5	4			
ERIOGONUM MICROTHECUM NUTT,		3			
ERIOGONUM PALMERIANUM REVEAL IN MUNZ	3	3			
ERIOGONUM WRIGHTII TORR, EX BENTH, SSP, WRIGHTII			3	3	
RANUNCULACEAE, CROWFOOT FAMILY					
ANEMONE TUBEROSA RYDB,			3		
DELPHINIUM PARISHII GRAY SSP, PARISHII, LARKSPUR,		3			
RHAMNACEAE, BUCKTHORN FAMILY					
RHAMNUS CALIFORNICA ESCH, SSP, URSINA (GREENE) C, B, WOLF, COFFEE BERRY,			2		
RHAMNUS ILICIFOLIA KELL,		3	4	4	4
ROSACEAE, ROSE FAMILY					
CERCOCARPUS INTRICATUS WATS, MT-MAHOGANY,			3	3	
COLEOGYNE RAMOSISSIMA TORR, BLACKBUSH,	4	3			
COWANIA MEXICANA D, DON VAR, STANSBURIANA (TORR,) JEPS,	3	3	3		
FALLUGIA PARADOXA (D, DON) ENDL, APACHE-PLUME,			2		
PRUNUS FASCICULATA (TORR,) GRAY, DESERT ALMOND,	3	4	4	5	3
RUBIACEAE, MADDER FAMILY					
GALIUM MUNZII HILEND & HOWELL, BEDSTRAW,			3		
GALIUM SPECIES	2		3	3	
RUTACEAE, RUE FAMILY					

	140-144-148-152-156-1 (X 10¢ 1-441-481-521-561-601 FEET)				
THAMNOSMA MONTANA TORR. & FREM. TURPENTINE-BROOM.	3	3		2	
SCROPHULARIACEAE, FIGWORT FAMILY					
CASTILLEJA CHROMOSA A. NELS. PAINT-BRUSH.	3	3			
KECKIELLA ANTIRRHINOIDES (BENTH.) STRAW.		3			
MAURANDYA ANTIRRHINIFLORA HUMB. & BONPL. EX WILLD.			2		
MIMULUS RUBELLUS GRAY IN TORR.		2			
PENSTEMON PALMERI GRAY.	4	4	4	4	3
SOLANACEAE, NIGHTSHADE FAMILY					
DATURA METELOIDES A. DC. THORN-APPLE, JIMSON WEED.	3				
LYCIUM ANDERSONII GRAY. BOX-THORN.	3				
NICOTIANA TRIGONOPHYLLA DUNAL IN A. DC. DESERT TOBACCO.				3	
PHYSALIS CRASSIFOLIA BENTH. VAR. CRASSIFOLIA. GROUND CHERRY.	3	3			
VERBENACEAE, VERVAIN FAMILY					
LIPPIA WRIGHTII GRAY. VERA DULCE.	3				
VERBENA GOODINGII BRIQ. VERBENA.		3			2
VISACEAE, MISTLETOE FAMILY					
PHORADENDRON CALIFORNICUM NUTT.		3			
ZYGOPHYLLACEAE, CALTROP FAMILY					
LARREA TRIDENTATA (SESSE & MOC. EX DC.) COV. CREOSOTE BUSH.	5	5	4		
MONOCOTYLEDONES					
AGAVACEAE, AGAVE FAMILY					
AGAVE DESERTII ENGELM.	2	2	2	2	2
YUCCA BACCATA TORR. VAR. BACCATA. BANANA YUCCA.		3	3	3	3
YUCCA SCHIDIGERA ROEZL. EX ORTGIES. SPANISH BAYONET.	4	4			
LILIACEAE, LILY FAMILY					

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CALOCHORTUS KENNEDYI PORTER VAR. MUNZII JEPS.		2			
POACEAE. GRASS FAMILY					
ARISTIDA ADSCENSIONIS L.	2				
*AVENA SATIVA L.	2				
BOUTELOUA ARISTIDOIDES (HBK) GRISEB. GRAMA GRASS.	2				
BOUTELOUA BARBATA LAG.	3				
*BROMUS DIANDRUS ROTH.	2	2			
*BROMUS RUBENS L. FOXTAIL CHESS.	5	5	4	5	4
*CYNODON DACTYLON (L) PERS.	2				
ENNEAPOGON DESVAUXII BEAUV.	3				
*ERAGROSTIS CILIANENSIS	2				
HILARIA RIGIDA (THURB.) BENTH. EX SCRIBN.	3	3			
MELICA STRICTA BOL.		3			
MUHLENBERGIA MICROSPERMA (DC.) KUNTH.		2			
MUHLENBERGIA PORTERI SCRIBN.	3				
ORYZOPSIS HYMENOIDES (R. & S.) RICKER. RICEGRASS.	3				
POA FENDLERIANA (STEUD.) VASEY.				3	
SCHISMUS SPECIES	3				
SITANION LONGIFOLIUM J. G. SM.			3	3	3
SITANION JUBATUM J. G. SM.					2
*SORGHUM BICOLOR (L) MOENCH.	1				
SPOROBOLUS CRYPTANDRUS (TORR.) GRAY	2		2		2
STIPA CORONATA THURB. IN WATS. SSP. DEPAUPERATA (JONES) HITCHC.			2		2
STIPA SPECIOSA TRIN. & RUPR.	2	3	3	4	3
TRIDENS MUTICUS (TORR.) NASH.	3				
VULPIA OCTAFLORA RYDB.		3			

NUMBER OF INDIGENOUS TAXA = 159
NUMBER OF NATURALIZED TAXA = 8

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